


SUBSTITUTE FORM PTO-1390 (REV. 12-2004)		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTORNEY'S DOCKET NUMBER M1211/20018	
<b>TRANSMITTAL LETTER TO THE UNITED STATES          DESIGNATED/ELECTED OFFICE (DO/EO/US)          CONCERNING A FILING UNDER 35 U.S.C. 371</b>				U.S. APPLICATION NO. (If known, see 37 CFR 1.5) <b>10/518183</b>	
INTERNATIONAL APPLICATION NO. PCT/EP2003/005068		INTERNATIONAL FILING DATE May 14, 2003		PRIORITY DATE CLAIMED June 24, 2002	
TITLE OF INVENTION		METHOD FOR EQUALISING AND DEMODULATING A DATA SIGNAL WHICH IS TRANSMITTED VIA A TIME-VARIANT CHANNEL			
APPLICANT(S) FOR DO/EO/US Rainer BOTT, Ulrich SORGER and Snjezana GLIGOREVIC					
Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:					
<ol style="list-style-type: none"> <li>1. <input checked="" type="checkbox"/> This is a <b>FIRST</b> submission of items concerning a submission under 35 U.S.C. 371.</li> <li>2. <input type="checkbox"/> This is a <b>SECOND</b> or <b>SUBSEQUENT</b> submission of items concerning a submission under 35 U.S.C. 371.</li> <li>3. <input checked="" type="checkbox"/> This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (21) indicated below.</li> <li>4. <input checked="" type="checkbox"/> The US has been elected (Article 31).</li> <li>5. <input checked="" type="checkbox"/> A copy of the International Application as filed (35 U.S.C. 371(c)(2))           <ol style="list-style-type: none"> <li>a. <input type="checkbox"/> is attached hereto (required only if not communicated by the International Bureau).</li> <li>b. <input checked="" type="checkbox"/> has been communicated by the International Bureau.</li> <li>c. <input type="checkbox"/> is not required, as the application was filed in the United States Receiving Office (RO/US).</li> </ol> </li> <li>6. <input checked="" type="checkbox"/> An English language translation of the International Application as filed (35 U.S.C. 371(c)(2)).           <ol style="list-style-type: none"> <li>a. <input checked="" type="checkbox"/> is attached hereto.</li> <li>b. <input type="checkbox"/> has been previously submitted under 35 U.S.C. 154(d)(4).</li> </ol> </li> <li>7. <input checked="" type="checkbox"/> Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3))           <ol style="list-style-type: none"> <li>a. <input type="checkbox"/> are attached hereto (required only if not communicated by the International Bureau).</li> <li>b. <input type="checkbox"/> have been communicated by the International Bureau.</li> <li>c. <input type="checkbox"/> have not been made; however, the time limit for making such amendments has NOT expired.</li> <li>d. <input checked="" type="checkbox"/> have not been made and will not be made.</li> </ol> </li> <li>8. <input type="checkbox"/> An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371 (c)(3)).</li> <li>9. <input checked="" type="checkbox"/> An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)).</li> <li>10. <input type="checkbox"/> An English language translation of the annexes of the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)).</li> </ol> <p>Items 11 to 20 below concern document(s) or information included:</p> <ol style="list-style-type: none"> <li>11. <input checked="" type="checkbox"/> An Information Disclosure Statement under 37 CFR 1.97 and 1.98.</li> <li>12. <input checked="" type="checkbox"/> An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 &amp; 3.31 is included.</li> <li>13. <input checked="" type="checkbox"/> A preliminary amendment.</li> <li>14. <input checked="" type="checkbox"/> An Application Data Sheet under 37 CFR 1.76.</li> <li>15. <input type="checkbox"/> A substitute specification.</li> <li>16. <input type="checkbox"/> A power of attorney and/or change of address letter.</li> <li>17. <input type="checkbox"/> A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 35 U.S.C. 1.821 - 1.825.</li> <li>18. <input type="checkbox"/> A second copy of the published International Application under 35 U.S.C. 154(d)(4).</li> <li>19. <input type="checkbox"/> A second copy of the English language translation of the International Application under 35 U.S.C. 154(d)(4).</li> <li>20. <input checked="" type="checkbox"/> Other items or information: Express mail transmittal form (Label No. EL962209473) return receipt postcard</li> </ol>					

U.S. APPLICATION NO. (If known, see 37 CFR 1.55) <b>10/518183</b>		INTERNATIONAL APPLICATION NO. PCT/EP2003/005068		ATTORNEY'S DOCKET NO. M1211/20018																			
21. The following fees are submitted:  <input checked="" type="checkbox"/> c) Basic national fee ..... \$300.00 <input checked="" type="checkbox"/> b) Examination fee ..... \$200.00 <input checked="" type="checkbox"/> c) Search fee ..... \$500.00 <div style="text-align: right;"><b>TOTAL OF ABOVE CALCULATIONS = \$1000.00</b></div>				\$ 300.00																			
				\$ 200.00																			
				\$ 500.00																			
				\$1,000.00																			
				<input type="checkbox"/> Additional fee for specification and drawings filled in paper over 100 sheets (excluding sequence listing or computer program listing filed in an electronic medium). The fee is \$250 for each additional 50 sheets of paper or fraction thereof.  <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 15%;">Total Sheets</th> <th style="width: 15%;">Extra Sheets</th> <th style="width: 40%;">Number of each additional 50 or fraction thereof (round up to a whole number)</th> <th style="width: 10%;">RATE</th> <th style="width: 10%;"></th> <th style="width: 10%;"></th> </tr> </thead> <tbody> <tr> <td>22 - 100 =</td> <td>/50 =</td> <td></td> <td>x \$250.00</td> <td>\$</td> <td></td> </tr> </tbody> </table>		Total Sheets	Extra Sheets	Number of each additional 50 or fraction thereof (round up to a whole number)	RATE			22 - 100 =	/50 =		x \$250.00	\$							
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22 - 100 =	/50 =		x \$250.00			\$																	
Surcharge of \$130.00 for furnishing the oath or declaration later than 30 months from the earliest claimed priority date (37 CFR 1.492(e)).  <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 15%;">CLAIMS</th> <th style="width: 15%;">NO. FILED</th> <th style="width: 40%;">NUMBER EXTRA</th> <th style="width: 10%;">RATE</th> <th style="width: 10%;"></th> <th style="width: 10%;"></th> </tr> </thead> <tbody> <tr> <td>Total claims</td> <td>28 - 20 =</td> <td>8</td> <td>x \$50.00</td> <td>\$ 400.00</td> <td></td> </tr> <tr> <td>Independent</td> <td>1 - 3 =</td> <td>1</td> <td>x \$200.00</td> <td>\$</td> <td></td> </tr> </tbody> </table>		CLAIMS	NO. FILED			NUMBER EXTRA	RATE			Total claims	28 - 20 =	8	x \$50.00	\$ 400.00		Independent	1 - 3 =	1	x \$200.00	\$			
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		Total claims	28 - 20 =	8	x \$50.00	\$ 400.00																	
Independent	1 - 3 =	1	x \$200.00	\$																			
MULTIPLE DEPENDENT CLAIM(S) (if applicable) + \$360.00 \$																							
<b>TOTAL OF ABOVE CALCULATIONS =</b>				\$1,400.00																			
<input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. The fees indicated above are reduced by 1/2.				\$																			
<b>SUBTOTAL =</b>				\$																			
Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492(f)).				+	\$																		
<b>TOTAL NATIONAL FEE =</b>				\$1,400.00																			
Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property				+	\$																		
<b>TOTAL FEES ENCLOSED =</b>				\$1,400.00																			
				Amount to be refunded:	\$																		
				Amount to be charged:	\$																		
a. <input type="checkbox"/> A check in the amount of \$ _____ to cover the above fees is enclosed.  b. <input checked="" type="checkbox"/> Please charge my Deposit Account No. <u>03-0075</u> in the amount of \$ <u>1,400.00</u> to cover the above fees. A duplicate copy of this sheet is enclosed.  c. <input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. <u>03-0075</u> . A duplicate copy of this sheet is enclosed.  d. <input type="checkbox"/> Fees are to be charged to a credit card. <b>WARNING:</b> Information on this form may become public. <b>Credit card information should not be included on this form.</b> Provide credit card information and authorization on PTO-2038.																							
<b>NOTE:</b> Where an appropriate time limit under 37 CFR 1.494 or 1.495 has not been met, a petition to revive (37 CFR 1.137 (a) or (b)) must be filed and granted to restore the Application to pending status.																							
<b>SEND ALL CORRESPONDENCE TO:</b>																							
Customer No. 03000				<div style="text-align: center;">             SIGNATURE            Frank M. Linguiti            NAME            32,424            REGISTRATION NUMBER         </div>																			

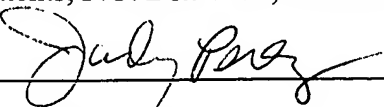
Applicant : Rainer BOTT et al  
Title : METHOD FOR EQUALISING AND DEMODULATING A DATA  
SIGNAL WHICH IS TRANSMITTED VIA A TIME-VARIANT CHANNEL

The following documents are submitted for the above-identified invention for entry into the U.S. National stage under 35 U.S.C. §371, based on the International Application No. PCT/EP2003/005068, which includes the following:

1. One (1) sheet of Transmittal Letter;
2. Calculation sheet, in duplicate;
3. Application Data Sheet;
4. Declaration;
5. Assignment, Recordation form cover sheet;
6. Preliminary Amendment;
7. Cover sheet of International Publication No. WO 2004/002099;
8. English translation of Application, including 13 pages Description, 6 pages Claims and 2 sheets Drawings;
9. Information Disclosure Statement, PTO form 1449 and copies of references disclosed therein; and
10. Return Receipt Post Card.

**"Express Mail" Mailing Label No. EL 962 209 473 US**  
**Date of Deposit December 16, 2004**

I hereby certify that the above-identified documents are being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 on the date indicated above and is addressed to Mail Stop PCT, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450,

  
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Judy Perez  
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